

# Fire Alarm Plans Submittal

The following is the required documentation for the submittal of fire alarm plans to the Marietta Fire Protection Analyst for review.

The Life Safety Code will determine what occupancies are required to be protected with a fire alarm system. The installation of the fire alarm system must comply with the following codes: NFPA 101, NFPA 72, and the Georgia Accessibility Code.

Two sets of fire alarm plans are required to be submitted for the installation or alteration of any fire alarm system. These plans are not required to have a separate building permit but the Building Department requires the installers to obtain a low voltage permit. When electronically prepared, plans are to be submitted in hard copy and on disk with other related documents.

**Shop Drawings-** shall include the following:

1. Name of owner or occupant
2. Location, Including street
3. Date
4. Designers low voltage alarm license number & expiration date
5. Device legend

**Floor Plan drawings-** shall include the following

1. Floor identification
2. Point of compass
3. Graphic / reference scale
4. All walls and doors
5. Room descriptions
6. Fire alarm device/component location

7. All partitions within 18 inches of the ceiling
8. Location of fire alarm primary and aux power connections and labeled
9. Location of monitor and control interfaces to other systems
10. Riser locations

Control panel wiring diagrams-shall include the following

1. Identification of the control equipment depicted (i.e. battery chargers, annunciators, power supplies and etc)
2. Locations
3. All field wiring terminals and terminal identifications
4. All circuits connected to field wiring terminals , and circuit identifications
5. All indicators and manual controls, including the full text of all labels
6. All field connections to supervising station signaling equipment, releasing equipment and fire safety control interfaces

**Point to Point diagrams-** shall be provided with plans submittal.

**Typical wiring diagram-** shall be provided for all initiating devices, notification appliances, remote alarm light emitting diodes (LEDs), remote test stations, and end-of-line and power supervisory devices

**Battery Calculations-**shall be included in all submittals.

★ Also, include wire size(s) and voltage drop

**Power Calculations-**shall be included in all submittals

**Cut sheets-**shall be included in submittal for all devices and the cut sheet shall be highlighted to indicate the following:

1. Specific device used
2. Model
3. Voltage drop

**Note:** all strobes shall be a minimum of 75 candelas to comply with the Georgia Accessibility Code. Also, at the time of final inspection a certification letter, a disk with any related PDF files, and a record of completion documentation form is required to be given to the inspector or to the Fire Marshal's office. Call for an inspection at the time of the full operational test.